

THE PORT AUTHORITY
OF NEW YORK AND NEW JERSEY

ENGINEERING PROGRAM MANAGER
WORLD TRADE CENTER
CHIEF ELECTRICAL ENGINEER

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. 81-571 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE 12/2/99 CONTRACT ENGR/ARCH.
DATE 12/2/99 ENGINEERING PROGRAM MGR.

No. Date Revision Approved

ENGINEERING DEPARTMENT

WORLD
TRADE
CENTER

ELECTRICAL

Title
FIRE ALARM SYSTEM
PHASE III
5 WTC MER'S, EMR'S
AND SUBSTATIONS

TYPICAL DETAILS
AND WIRING
DIAGRAM
SHEET 1

This drawing subject to conditions in Contract. Inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

FELDTSTEIN ROYZMAN
Designed by Drawn by

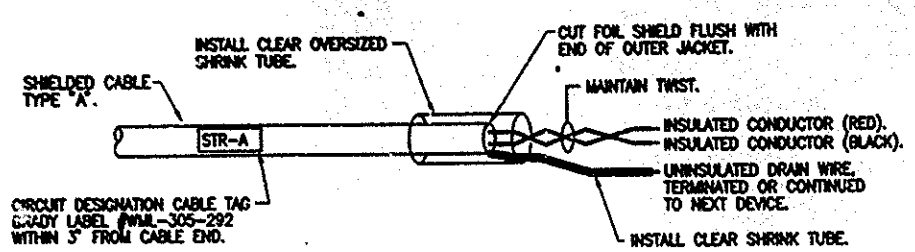
5-17-99
Date

WTC-861.571 E-35
Contract Number Drawing Number

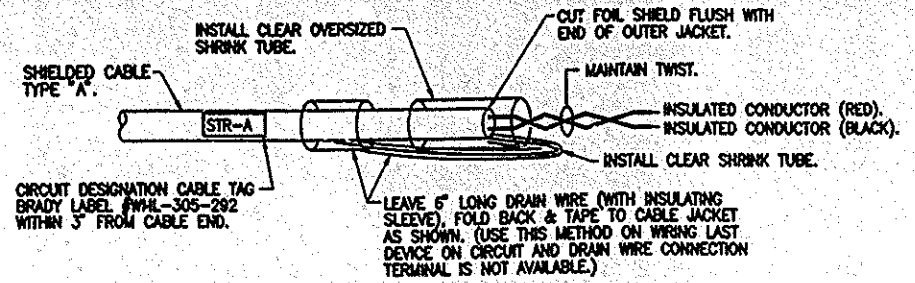
NOTES:

1. FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES, SEE DWG E-1.
2. WIRING DIAGRAMS SHOWN ARE SCHEMATIC REPRESENTATIONS FOR CONNECTIONS ONLY. FOR DEVICE INSTALLATION, REFER TO INSTALLATION DETAILS ON DRAWING E-36.
3. INSULATE, SHIELD & DRAIN WIRE AS SHOWN ON TYPICAL SHIELD/DRAIN INSULATING METHOD.

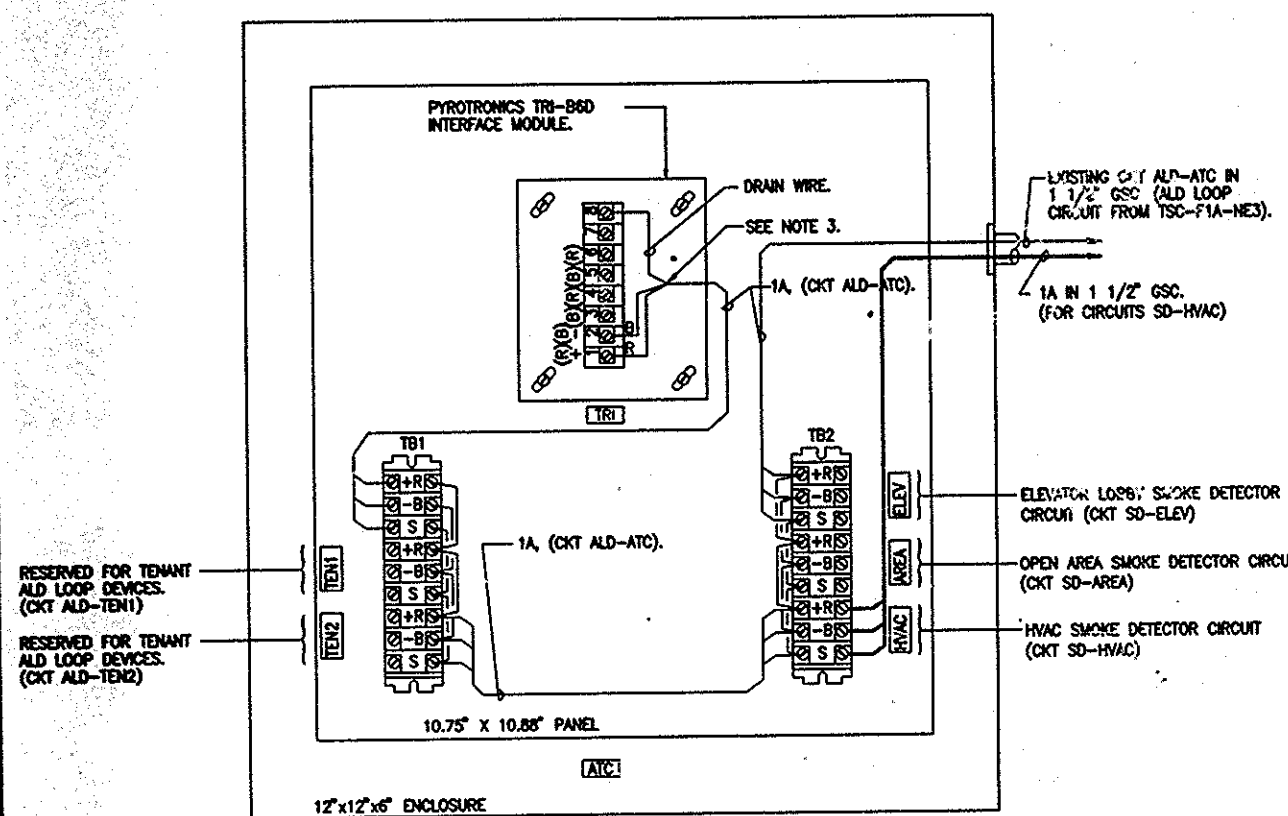
SHIELD MUST BE CONTINUOUS AND INSULATED FROM BOXES, CONDUITS, ETC.



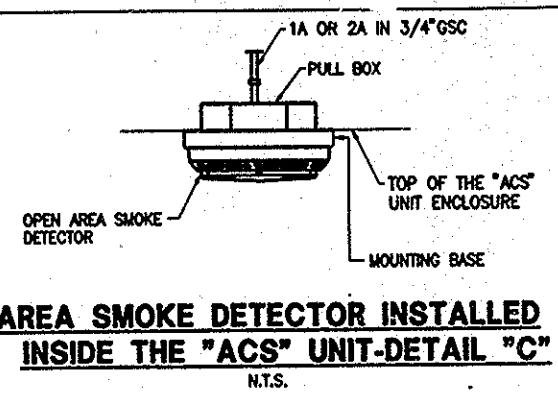
TYPICAL SHIELD/DRAIN INSULATING METHOD "A"
N.T.S.



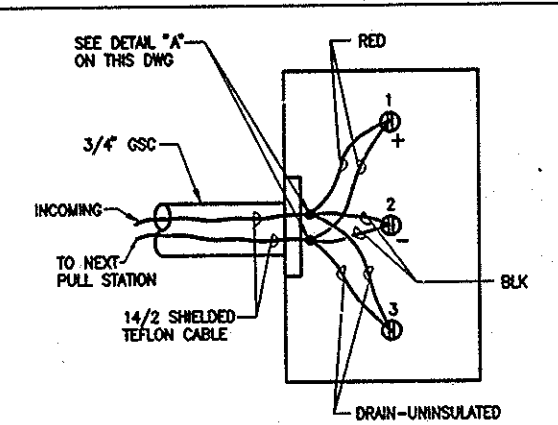
TYPICAL SHIELD/DRAIN INSULATING METHOD "B"
N.T.S.



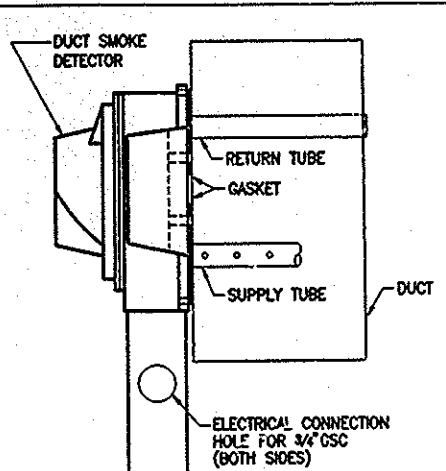
ATC CABINET
TYPICAL BLOCK WIRING DIAGRAM
N.T.S.



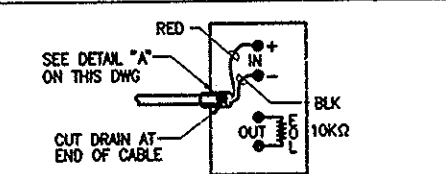
AREA SMOKE DETECTOR INSTALLED INSIDE THE "ACS" UNIT-DETAIL "C"
N.T.S.



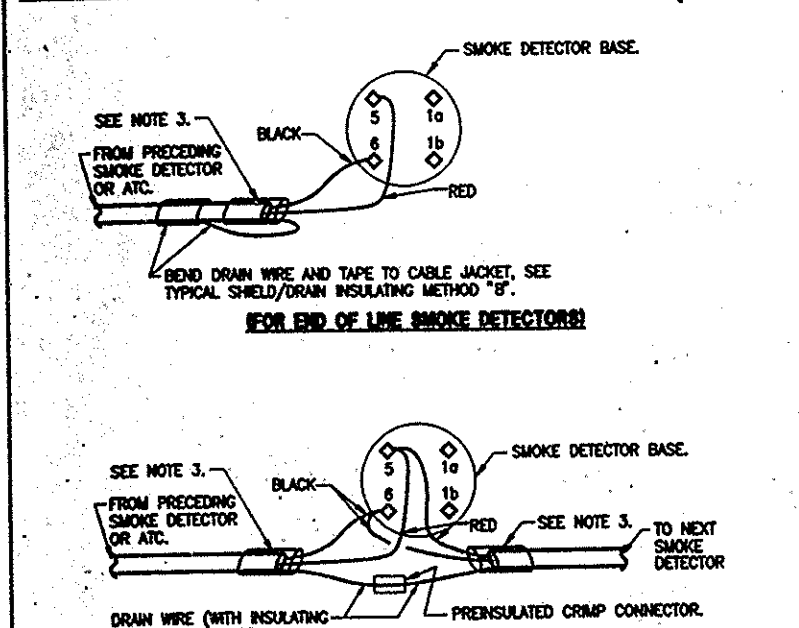
PULL STATION
CONNECTION DIAGRAM
N.T.S.



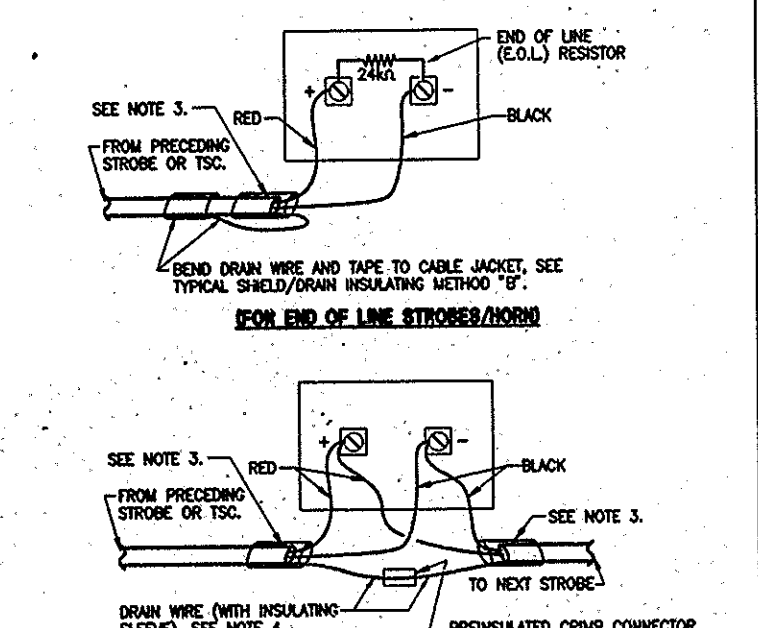
DUCT SMOKE DETECTOR MOUNTING DETAIL "D"
N.T.S.



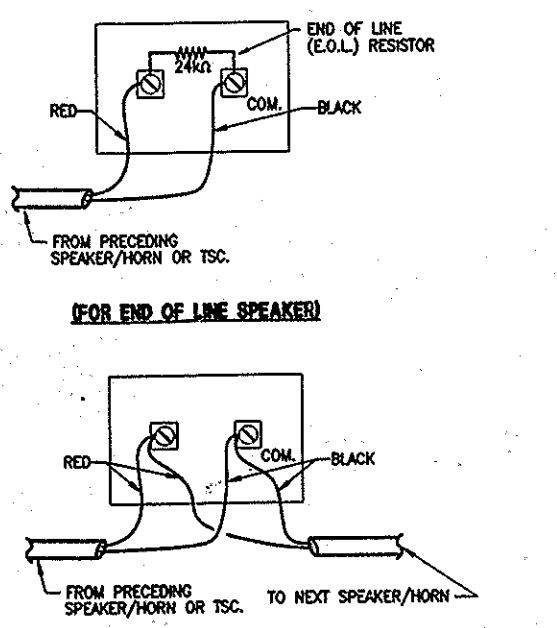
WARDEN TELEPHONE CONNECTION DIAGRAM
N.T.S.



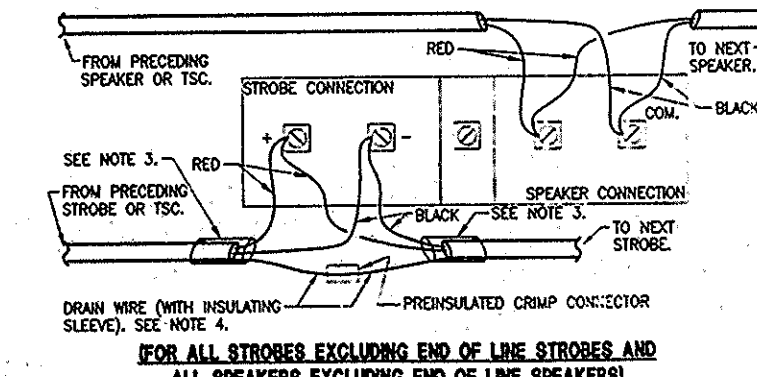
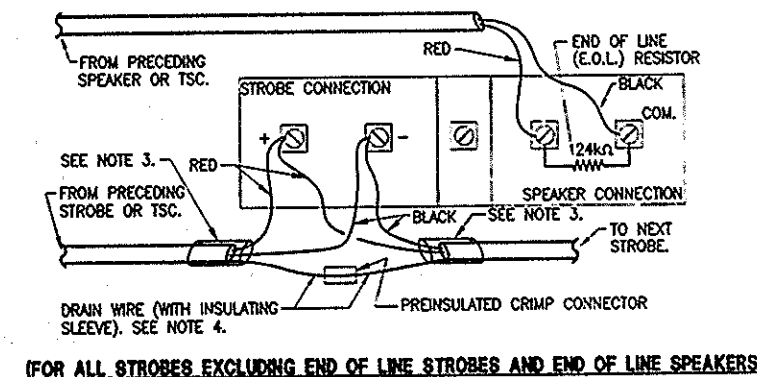
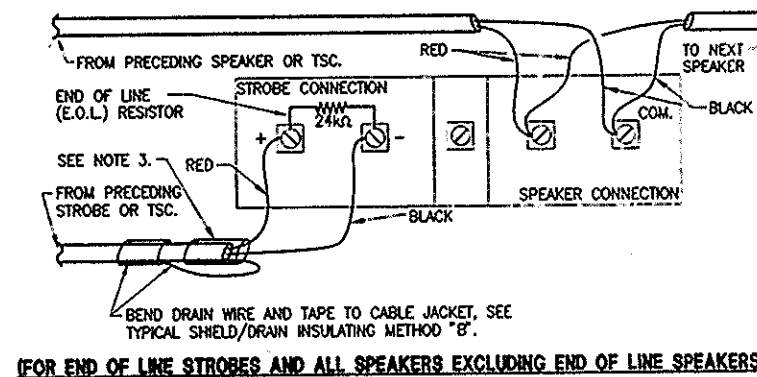
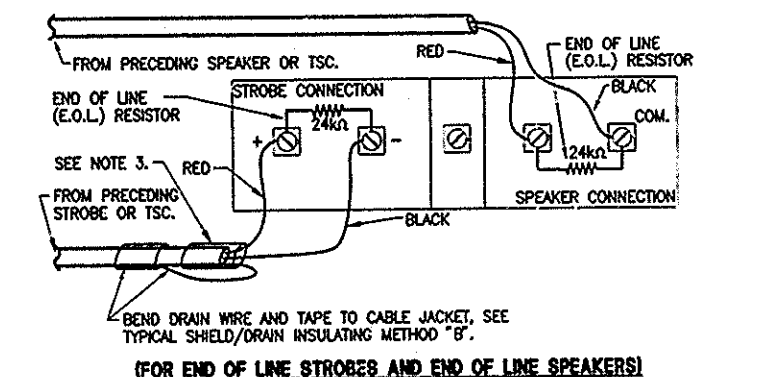
TYPICAL SMOKE DETECTOR WIRING DIAGRAM
N.T.S.



TYPICAL STROBE/HORN WIRING DIAGRAM
N.T.S.



TYPICAL SPEAKER WIRING DIAGRAM
N.T.S.



TYPICAL STROBE/SPEAKER COMBINATION UNIT WIRING DIAGRAM
N.T.S.